

MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.

HELENA, MONTANA

Vol. XIX, No. 2

FEBRUARY, 1971

Production of crude oil and condensate from the oil and gas areas of Montana for the month of February, 1971 averaged 98,655 barrels daily, a decrease of 1,573 barrels from the average January, 1971 production of 100,228.

The nine refineries in the state processed 126,665 barrels of crude oil daily for the month of February, 1971, an increase of 6,017 barrels from the 120,648 barrels processed daily during the month of January, 1971.

During February 26 wells were completed, 3 oil, 2 gas and 21 dry holes.

During February the commission issued 23 permits to drill new wells, an increase of 2 from the 21 permits issued during January.

**SUMMARY OF CRUDE OIL PRODUCTION
REFINING, STORAGE, ETC., IN MONTANA
MONTH OF FEBRUARY, 1971**

IN STORAGE FEBRUARY 1st

By Producers	335,971
By Transporters	1,420,817
By Refiners	898,929

TOTAL STORAGE 2,655,717

Produced in Montana During Month.....	2,762,354
Imported During Month.....	2,785,436

TOTALS 8,203,507

DISPOSITION:

Refined in Montana.....	3,546,636
Exported	2,201,872
Used for Fuel or Lost.....	7,649

TOTAL 5,756,157

IN STORAGE FEBRUARY 28th

By Producers	334,347
By Transporters	1,202,148
By Refiners	910,855

TOTAL STORAGE 2,447,350

**NATURAL GAS WITHDRAWALS
IN MONTANA**

Month of February, 1971

Field	M. Cu. Ft.
Bell Creek	279,531
Big Coulee	117,325
Blackjack	79,701
Bowdoin	305,083
Bowes	27,808
Cabin Creek	93,883
Cedar Creek	1,310,789
Cut Bank (including Reagan).....	515,088
Dry Creek	47,879
Elk Basin	72,138
Flat Coulee	24,855
Gold Butte	0
Grandview	51,228
Hardin	1,455
Keith Block	145,083
Kevin Sunburst	46,383
Lake Basin	78,376
Middle Butte	2,048
Mt. Lilly	51,330
Pine	44,600
Plevna	9,434
Tiger Ridge—Squaw Coulee.....	146,039
Utopia	56,840
Whitlash	117,307
Miscellaneous	142,215
TOTAL	3,766,418

Total Withdrawals for February,
1970 were 3,676,100

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PRODUCERS REPORT — MONTH OF FEBRUARY, 1971

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	29	1,709	—	1,522	—	216
1	Bainville	1	2,972	4,371	—	4,620	—	2,723
—	Bannatyne	—	573	—	—	—	—	573
—	Bascom	—	165	—	—	—	—	165
4	Bear's Den	4	1,917	826	—	—	—	1,273
53	Bell Creek	353	44,598	477,780	483,570	1,470	521	38,287
—	Benrud	—	120	—	—	—	—	120
2	Benrud East	2	1,357	11,859	11,829	—	—	1,387
1	Benrud Northeast	1	1,042	2,530	3,055	—	—	517
—	Berthelote	—	69	—	—	—	—	69
5	Big Wall	16	1,659	8,337	7,253	—	—	2,743
4	Blackfoot	6	1,228	1,431	1,797	—	—	862
2	Border	2	386	829	—	407	—	808
1	Bowes	49	8,128	10,660	9,588	—	—	9,200
1	Bradley	1	259	580	411	—	—	428
—	Brady	—	360	—	—	—	—	360
4	Brorson-Madison	4	1,375	4,343	—	4,361	—	1,357
6	Brorson-Red River	6	5,074	13,850	—	14,099	—	4,825
3	Brorson-Red River South	3	2,369	12,849	—	12,586	—	2,632
5	Brush Lake	5	1,059	38,091	—	—	—	530
2	Cabin Creek	94	—	282,660	282,660	—	—	—
1	Canal	1	1,150	12,098	—	12,594	—	654
11	Cat Creek	54	2,943	14,537	11,310	3,148	—	3,022
—	Clark's Fork	—	56	—	—	—	—	56
1	Clark's Fork South	1	120	1,946	—	1,814	—	252
2	Conrad South	2	173	625	625	—	—	173
2	Cow Creek	2	751	2,685	—	3,254	—	182
1	Culbertson	1	713	1,849	—	2,068	—	494
2	Cupton	2	2,146	1,436	—	1,605	—	1,977
133	Cut Bank	855	53,448	449,550	447,351	—	22	55,625
—	Dean Dome	—	65	—	—	—	—	65
1	Deer Creek	1	561	1,259	1,308	—	—	512
1	Delphia	1	228	34	—	177	—	85
—	Devil's Basin	—	671	—	—	—	—	671
2	Dwyer	14	4,171	22,357	22,089	—	—	4,439
3	Elk Basin	47	966	147,799	147,807	—	—	958
5	Elk Basin Northwest	9	8,017	7,725	7,333	—	3	8,406
6	Fairview	10	8,552	38,914	16,895	21,504	193	8,874
2	Fertile Prairie	2	709	1,162	—	1,168	—	703
9	Flat Coulee	27	5,463	8,542	9,448	—	—	4,557
42	Flat Lake	61	4,968	58,218	58,737	—	—	4,449
3	Flat Lake South	3	1,416	4,125	4,877	—	—	664
1	Ft. Gilbert	1	445	24,602	—	24,616	—	431
1	Frannie	1	—	1,316	1,316	—	—	—
13	Fred and George Creek	36	1,930	26,644	25,348	—	—	3,226
—	Gage	—	31	—	—	—	—	31
3	Gas City	17	5,423	23,318	19,110	1,792	—	7,839
2	Girard	2	1,656	5,614	—	6,259	—	1,013
11	Glendive	15	3,380	25,369	25,153	—	—	3,596
28	Goose Lake	32	5,973	35,358	35,855	—	—	5,476
9	Graben Coulee	17	4,374	3,619	1,836	2,157	—	4,000
1	Hay Creek—Mission Canyon	1	94	1,643	1,635	—	—	102
2	Hay Creek—Red River	2	590	7,376	7,508	—	—	458
6	Hiawatha	6	3,198	7,186	6,711	—	—	3,673
1	Hibbard	1	910	390	—	607	—	693
1	Injun Creek	1	767	326	—	—	—	1,093
5	Ivanhoe	11	2,855	5,352	6,382	—	—	1,825
1	Jim Coulee	1	505	25	344	—	—	186
4	Keg Coulee	18	3,548	12,376	11,385	—	—	4,539
2	Keg Coulee North	2	992	541	903	—	—	630
1	Kelley	1	583	3,568	3,614	—	—	537
52	Kevin Sunburst	296	8,402	19,580	17,469	1,207	—	9,306
8	Laird Creek	10	822	4,021	—	4,023	5	815
2	Leary	2	1,081	3,120	—	3,389	24	788
1	Little Beaver	23	—	31,769	31,769	—	—	—
2	Little Beaver East *	13	1,514	13,356	13,225	—	—	1,645
1	Little Wall Creek	1	1,024	2,654	2,354	—	—	1,324
—	Lodge Grass	—	502	—	—	—	—	502
3	Lookout Butte (Coral Creek)	31	569	60,152	59,543	—	—	1,178
—	Mackay Dome	—	1,134	—	—	—	—	1,134
2	Mason Lake	2	245	661	673	—	—	233
3	Melstone	4	1,567	1,610	1,816	—	—	1,361
1	Mineral Bench	1	351	755	435	—	—	671
1	Miner's Coulee	1	107	254	—	254	—	107
11	Monarch	14	4,911	15,598	12,889	3,610	—	4,010
2	Otis Creek	2	1,533	2,127	—	3,217	—	443
6	Outlook	9	7,094	13,320	10,897	—	—	9,517
1	Outlook South	1	993	1,061	785	—	—	1,269
2	Outlook West	2	2,189	2,698	2,874	—	—	2,013
1	Pennel-Lookout Butte	112	—	129,364	129,364	—	—	—
4	Pine	113	17,403	242,228	242,636	—	—	16,995
60	Pondera	269	6,486	21,512	21,616	—	—	6,382
8	Poplar	66	8,804	51,878	51,378	—	(5)	9,309
3	Poplar Northwest	3	895	1,186	785	—	—	1,296
—	Prairie Elk	—	346	—	—	—	—	346
3	Pritchard Creek	3	167	954	954	—	—	167
4	Ragged Point	12	2,282	5,862	5,393	—	—	2,751
2	Rattlesnake Coulee	2	504	460	183	—	—	781
2	Reagan	46	467	17,913	18,036	—	—	344
1	Red Creek	21	—	14,939	14,939	—	—	—
1	Red Fox	1	109	831	666	—	—	274
1	Redstone	1	594	2,694	2,756	—	—	532
1	Repeat	1	510	1,050	—	840	—	720
5	Reserve	5	—	8,415	8,415	—	—	—
1	Richey	1	675	250	649	—	—	276
1	Richey Southwest	6	944	3,006	—	3,876	—	74
—	Rough Creek	—	266	—	—	—	—	266
1	Rush Mountain	1	754	2,697	2,850	—	—	601
2	Salt Lake	2	1,092	3,415	—	3,898	—	609
5	Sand Creek	8	3,849	6,205	4,478	—	—	5,576
1	Shotgun Creek	1	151	432	—	335	—	248
1	Sidney	1	150	636	—	636	—	150
1	Snyder	4	700	490	—	—	—	1,190
5	Soap Creek	15	3,250	5,314	—	6,046	—	2,518
1	Spring Lake	2	1,769	1,937	—	1,676	—	2,030
1	Stensvad	5	2,837	31,355	31,861	—	—	2,331
9	Sumatra	76	7,332	50,104	50,907	—	—	6,529
5	Tule Creek	6	3,391	24,476	20,382	4,411	—	3,074
2	Tule Creek East	2	934	8,039	7,997	—	—	976
2	Tule Creek South	3	1,179	4,599	3,047	—	—	2,731
2	Vida	2	896	1,697	—	2,025	—	568
3	Volt	4	2,491	10,608	10,509	—	—	2,590
2	Weed Creek	3	351	2,500	2,438	—	5	408
3	Weldon	7	1,619	15,783	16,531	—	—	871
1	West Butte	1	—	2,276	—	2,276	—	—
18	Whitlash	43	7,064	11,343	11,274	—	50	7,083
1	Whitlash West	1	433	432	—	—	—	865
3	Willow Creek North	1	1,160	6,157	6,587	—	—	730
2	Wills Creek South	2	—	3,118	3,118	—	—	—
4	Wolf Springs	5	3,373	4,045	4,199	—	—	3,219
2	Woodrow	2	304	1,855	1,922	—	—	237
3	Wright Creek	4	1,505	1,472	1,814	—	—	1,163
—	Wildcat, Blaine City	—	404	—	—	—	—	404
—	Wildcat, Carbon City	—	310	—	—	—	—	310
—	Wildcat, Daniels City	—	174	—	—	—	—	174
1	Wildcat, Fallon City	3	1,307	8,755	—	9,090	—	972
2	Wildcat, Glacier City	5	846	646	12	—	—	1,480
1	Wildcat, Liberty City	1	357	58	—	—	—	415
2	Wildcat, Richland City	2	983	26,859	—	26,914	—	928
1	Wildcat, Roosevelt City	1	1,234	17,584	—	17,521	—	1,297
699	Total	3,098	335,971	2,762,354	2,546,088	217,072	818	334,347

Total Oil Produced & Shipped From Leases		Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1970		37,878,697	103,777	37,852,275	103,705
January, 1971		3,107,056	100,228	3,104,734	100,153
February, 1971		2,762,354	98,655	2,763,160	98,684
Oil In Storage		In Producers Field Tank	In Transporters Storage	In Refiners Storage†	Total Oil In Storage†
Year, 1970		4,277,891	16,795,112	10,399,079	31,472,082
January, 1971		335,971	1,420,817	898,929	2,655,717
February, 1971		334,347	1,202,148	910,855	2,447,350

*Montana Oil Only. †Includes Wyoming Oil.

TRANSPORTERS REPORT — MONTH OF FEBRUAY, 1971

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			1,522				1,522		
BAINVILLE— Rock Island Oil & Ref. Co.			4,620				4,620		
BEAR'S DEN—Truck			1,470				1,470		
BELL CREEK—Pipeline	63,645	483,570					272,853	190,128	84,234
BIG WALL— Continental Pipeline Co.		7,250				7,250			
BLACKFOOT— Camerland Cardinal Corp.		1,797						1,797	
BORDER—Permian Corp.			407					407	
BOWES—Texaco Inc.		9,588				9,588			
BRORSON-MADISON, BRORSON- RED RIVER & BRORSON- RED RIVER SOUTH— Rock Island Oil & Ref. Co.			31,046					31,046	
BRUSH LAKE—Portal Pipeline Co.		38,620					38,620		
CABIN CREEK & OTHERS* Butte Pipeline Co.	390,473	695,809	16,435	656,299	130		1,423,943		334,943
Shell Pipeline Co.	4,333	253,655			532			252,628	4,828
	394,806	949,464	16,435	656,299	662		1,423,943	252,628	339,771
CANAL—Rock Island Oil & Ref. Co.			12,594				12,594		
CAT CREEK— Continental Pipeline Co.		11,310				11,310			
Truck			3,148			3,148			
			11,310			14,458			
CLARK'S FORK SOUTH— Permian Corp.			1,814				1,814		
COW CREEK—West. Crude Oil Corp.			3,254				3,254		
CULBERTSON—Spruce Oil Co.			2,068				2,068		
CUT BANK— Continental Pipeline Co.			8,398	397,635				406,033	
Phillips Petroleum Co.	47,556	172,261		8,417	2,808	97,756		83,053	44,617
Texas Pipeline Co.	15,136	52,972		73,775	751	128,288			12,844
Union Oil Co.	61,295	59,163			882	77,729			41,847
Western Oil Trans. Co.		67,614						67,614	
Western Oil Trans. Co. (Moulton)		83,919						83,919	
	123,987	435,929	8,398	479,827	4,441	303,773		640,619	99,308
DELPHIA—Truck			177			177			
DWYER—Portal Pipeline Co.		22,170					22,170		
ELK BASIN & ELK BASIN NORTHWEST— Marathon Pipeline Co.		154,372				154,372			
FAIRVIEW—Fairview Pipeline Co.		16,895					16,895		
Rock Island Oil & Ref. Co.			21,504				21,504		
			16,895				38,399		
FLAT COULEE— Camerland Cardinal Corp.		8,269				8,269			
FLAT LAKE & FLAT LAKE SOUTH—Portal Pipeline Co.		58,557					58,557		
FT. GILBERT—Truck			24,616				24,616		
FRANNIE—Interstate Pipeline Co.		1,316					1,316		
FRED & GEORGE CREEK— Camerland Cardinal Corp.	13,344	27,082				33,147			7,279
GIRARD—Rock Island Oil & Ref. Co.			6,259				6,259		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK— Texas Pipeline Co.	9,726	26,716			399			28,219	7,824
GOOSE LAKE— Portal Pipeline Co.		32,888					32,888		
HAY CREEK— Fairview Pipeline Co.		9,143					9,143		
HIAWATHA— Continental Pipeline Co.		6,542					6,542		
HIBBARD—Truck			607			607			
JIM COULEE— Continental Pipeline Co.		344					344		
IVANHOE— Continental Pipeline Co.		6,382				6,382			
KEG COULEE & KEG COULEE NORTH— Continental Pipeline Co.		12,536				12,536			
KELLEY— Continental Pipeline Co.		3,614				3,614			
KEVIN SUNBURST— Big West Oil Co.	8,647	12,500				12,500			8,647
Homestake Oil & Gas Co.	3,668	1,897				2,465			3,100
Texas Pipeline Co.	7,285	6,842			53			6,500	7,574
	19,600	21,239			53	14,965		6,500	19,321
LEARY—Permian Corp.			3,389				3,389		
LITTLE WALL CREEK— Continental Pipeline Co.		2,354					2,354		
MASON LAKE— Continental Pipeline Co.		673				673			
MELSTONE— Continental Pipeline Co.		1,816				1,816			
OTIS CREEK—Truck			3,217				3,217		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST— Portal Pipeline Co.		14,556					14,556		
PONDERA—Phillips Petr. Co.	34,894	22,125			495	34,457			22,067
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH AND VOLT— East Poplar Gathering System	22,342	72,295			375			80,974†	13,288
RAGGED POINT— Continental Pipeline Co.		5,393				5,393			
RED CREEK— Western Oil Transportation Co.		16,475						16,475	
RESERVE—Portal Pipeline Co.		8,415					8,415		
RUSH MOUNTAIN— Sinclair Refining Co.		2,850					2,850		
SALT LAKE— Rock Island Oil & Ref. Co.			3,898				3,898		
SHOTGUN CREEK—Truck			335				335		
SIDNEY—Truck			636					636	
SOAP CREEK—Permian Corp.			6,046				6,046		
SPRING LAKE— Rock Island Oil. & Ref. Co.			1,676				1,676		
SUMATRA & STENSVD— Continental Pipeline Co.	734,641	82,146		1,721,789	46	69,144		1,873,473	595,913
TULE CREEK— Spruce Oil Corp.	3,832	31,426				26,006			9,252
Permian Corp.			4,411			4,411			
	3,832	31,426	4,411			30,417			9,252
WEED CREEK— Continental Pipeline Co.		2,438				2,438			
WHITLASH & WHITLASH WEST— Camerland Cardinal Corp.		12,308				8,417			3,891
WILLOW CREEK NORTH— Continental Pipeline Co.		6,587						6,587	
WOLF SPRINGS— Continental Pipeline Co.		4,199				4,199			
WILDCAT WELLS—Truck			53,525				53,525		
TOTALS	1,420,817	2,631,649	217,072	2,857,915	6,471	726,092	2,063,253	3,129,489	1,202,148

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon & Wills Creek South.

†Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF FEBRUARY, 1971

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Spruce Oil Co.	Union Oil Co.	Total
Big Wall.....		7,250	.....	.....	.....	.....	.....	.....	.....	7,250
Bowes.....			3,127	.....	.....	.....	.....	.....	.....	3,127
Cat Creek.....		1,998	.....	10,164	.....	10	.....	.....	.....	12,172
Cut Bank.....	75,000	.....	.....	.....	.....	.....	91,609	.....	137,160	303,769
Delphia.....						2	.....	.....	.....	2
Elk Basin.....		61,158	.....	40,176	53,038	.....	.....	.....	.....	154,372
Flat Coulee.....									8,269	8,269
Fred & George Creek.....	33,147	.....	.....	.....	.....	.....	.....	.....	.....	33,147
Hibbard.....						1	.....	.....	.....	1
Ivanhoe.....		6,382	.....	.....	.....	.....	.....	.....	.....	6,382
Keg Coulee.....		2,643	.....	9,175	.....	.....	.....	.....	.....	11,818
Kelley.....					3,614	.....	.....	.....	.....	3,614
Kevin Sunburst.....	14,965	.....	.....	.....	.....	.....	.....	.....	.....	14,965
Mason Lake.....		673	.....	.....	.....	.....	.....	.....	.....	673
Melstone.....				1,816	.....	.....	.....	.....	.....	1,816
Pondera.....							32,692	.....	.....	32,692
Ragged Point.....				5,393	.....	.....	.....	.....	.....	5,393
Sumatra & Stensvad.....		7,604	.....	61,540	11,737	.....	.....	65,803	.....	80,881
Tule Creek.....					2,438	.....	.....	.....	.....	2,438
Weed Creek.....										
Whitlash.....							8,417	.....	.....	8,417
Wolf Springs.....					4,199	.....	.....	.....	.....	4,199
Total Montana Oil.....	123,112	87,708	3,127	128,264	75,026	13	132,718	65,803	145,429	761,200
Canadian Oil Imported.....		381,342	.....	190,927	177,152	.....	.....	.....	.....	749,421
Wyoming Oil Imported.....		705,854	.....	446,061	884,100	.....	.....	.....	.....	2,036,015
Total Montana, Canadian, and Wyoming Oil.....	123,112	1,174,904	3,127	765,252	1,136,278	13	132,718	65,803	145,429	3,546,636

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total	PERCENTAGE OF CRUDE OIL REFINED	Montana	Canada	Wyoming
Year, 1970.....	24,878	25,744	65,351	115,973	21.45 %	21.45 %	22.20 %	56.35 %
February, 1970.....	25,992	20,703	69,739	116,434	22.32 %	22.32 %	17.78 %	59.90 %
February, 1971.....	27,186	26,765	72,714	126,665	21.46 %	21.46 %	21.13 %	57.41 %